

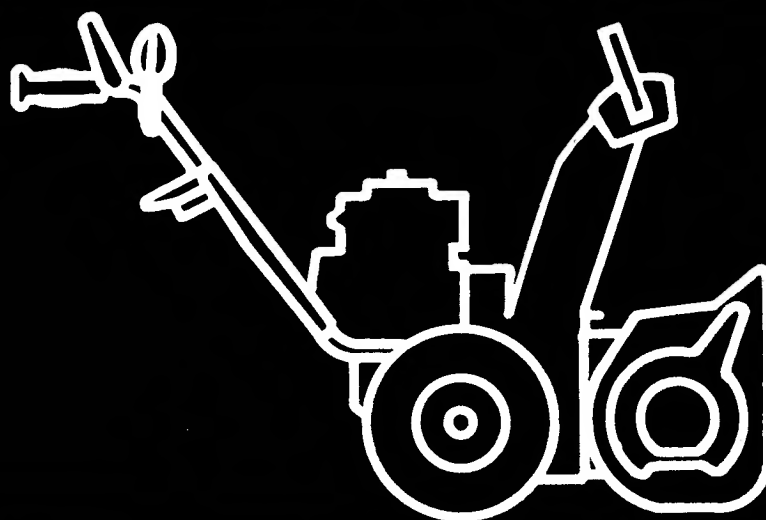
# Ariens

# 924

Series

Sno-Thro®

## Parts Manual



Ariens Service

# A Message to Ariens Parts Manual User

Your Ariens Dealer will be happy to supply any service or advice which may be required to keep your Ariens equipment operating at peak efficiency. He stocks genuine Ariens parts and lubricants; manufactured with the same precision and skill as the original equipment. His factory trained staff is kept well informed on the best methods of servicing Ariens equipment and is ready and able to

service you. If engine repairs or services are required, they can be obtained from an Ariens Dealer or from an authorized engine manufacturer's service center. If service is required, be prepared to supply the service person with the Model Number and Serial Number of the equipment and engine, as well as a full description of the problem encountered.

## Introduction

The information contained here in is intended for use by Ariens Dealer's trained servicemen and serves as a supplement to and reminder of training sessions conducted by Ariens Company. Before you attempt any repair, adjustment or maintenance project, be certain that you have read and fully understand the instructions in your Owner's and Repair Manuals. Understand and follow each Danger, Warning, Caution and all instructions exactly as given. Also be sure that you have all tools, replacement parts and other materials required to complete the project.

A network of Ariens Dealers and Distributors is maintained in order to assure you of an adequate supply of replacement parts and technical assistance. Your local Ariens Dealer is required to order parts thru his distributor. When replacement parts are required, use only genuine Ariens parts. Failure to do so may result in product malfunction and possible injury to operator and/or bystander. NOTE:

All references to "Left", "Right", "Front" and "Rear" are given from operators position.

**NOTE:** The descriptions and specifications contained in this manual were in effect at the time the manual was approved for printing. Ariens Company reserves the right to discontinue models without notice and without incurring obligation. The equipment described within this manual may not be identified as either standard or optional and the various illustrations may not all be applicable to your particular unit. If you have questions, always check with your Ariens Dealer.

**NOTE TO ARIENS DEALERS:** Refer to your current Parts Price List for suggested parts stocking. Service training for dealers is available at the Ariens Service School. See your Ariens Distributor for the latest school schedule.

# Model

# Contents

**Model 924050 (ST824)**  
8HP - 24" Sno-Thro  
Serial No. 050501 and up

**Model 924074 (ST524)**  
5HP - 24" Sno-Thro  
Serial No. 000101 and up

**Model 924051 (TT8)**  
8HP - Sno-Thro Tractor  
Serial No. 000501 and up

**Model 924075 (ST824)**  
8HP - 24" Sno-Thro  
Serial No. 000101 and up

**Model 924071 (ST1136)**  
11HP - 36" Sno-Thro  
Serial No. 001701 and up

**Model 924076 (ST1236)**  
12HP - 36" Sno-Thro  
Serial No. 000101 and up

**Model 924073 (ST1032)**  
10HP - 32" Sno-Thro  
Serial No. 005301 and up

**Model 924077 (ST828)**  
8HP - 28" Sno-Thro  
Serial No. 000101 and up

## ATTACHMENTS

**Model 824004 - 36" Rotary Brush**  
Serial No. 000501 and up

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This manual covers the models listed. Specific Model and Serial Numbers of your unit and attachment are on a label on the unit. Record these numbers in the space provided and use them whenever parts or service are required.

Model Number - _____
Serial Number - _____

## How To Order Repair Parts

This Parts Manual is arranged for easy identification of genuine Ariens Service parts that are illustrated showing their relationship to one another. Item numbers in the illustrations correspond to Item numbers in the first column of the parts list and are followed by the Ariens Part Number, Description and Quantity with variations between models and/or serial numbers designated in the part description. SN 000000 means this serial number and up, with SN <000000 meaning up to this serial number.

Order parts from your nearest authorized Ariens Dealer. For prompt service when ordering parts, provide the following information.

1. MODEL AND SERIAL NUMBERS OF EQUIPMENT.
2. PART NUMBER (not Item Number)
3. DESCRIPTION
4. QUANTITY REQUIRED

# Decals



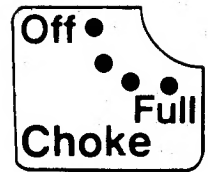
077992

FRANCE	077992-01
FINLAND	077992-05
SWEDEN	077992-03
NORWAY	077992-04
GERMANY	077992-02



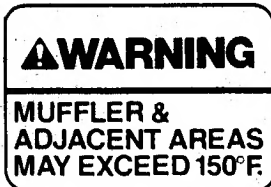
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FINLAND	078940
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GERMANY	078951



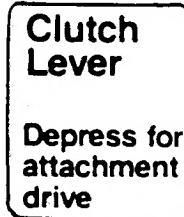
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FINLAND	078822
SWEDEN	078838
NORWAY	078849
GERMANY	078946



078601

FRANCE	078677
FINLAND	078816
SWEDEN	078854
NORWAY	078855
GERMANY	078953



078617

FRANCE	078674
FINLAND	078821
SWEDEN	078884
NORWAY	078859
GERMANY	078947



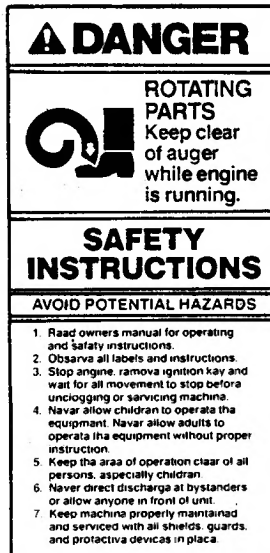
078616

FRANCE	078675
FINLAND	078820
SWEDEN	078885
NORWAY	078860
GERMANY	078950



078606

FRANCE	078684
FINLAND	078818
SWEDEN	078883
NORWAY	078858
GERMANY	078955



077991

FRANCE	077991-01
FINLAND	077991-05
SWEDEN	077991-03
NORWAY	077991-04
GERMANY	077991-02



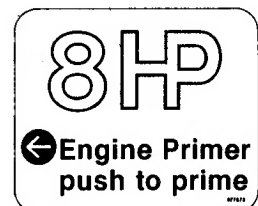
077996

FRANCE	077996-01
FINLAND	077996-05
SWEDEN	077996-03
NORWAY	077996-04
GERMANY	077996-02



077875

FRANCE	077875-01
FINLAND	077875-05
SWEDEN	077875-03
NORWAY	077875-04
GERMANY	077875-02



8 H.P.	077873
10 H.P.	077874
12 H.P.	077813

# Decals

## Attention

When using summer attachments, remove heater box and install air cleaner.

### Engine Instructions

#### CAUTION:

For your personal protection, read all safety notes in engine owner's manual.

#### OPERATION:

For detailed lubrication, starting & operating instructions, see engine owner's manual & equipment mfr.'s instructions.

#### LUBRICATION:

Summer ..... SAE 30 Oil  
Winter ..... SAE 5W-30 Oil

078828

FRANCE	078832
FINLAND	078834
SWEDEN	078839
NORWAY	078865
GERMANY	078958

## Throttle



078935

078935

FRANCE	078942
FINLAND	078942
SWEDEN	078942
NORWAY	078942
GERMANY	078942

## Differential Lock In Out

078844

078644

FRANCE	078685
FINLAND	078833
SWEDEN	078846
NORWAY	078853
GERMANY	078834

## TO CHOKE

078827

078827

FRANCE	078831
FINLAND	078966
SWEDEN	078827
NORWAY	078827
GERMANY	078827

**Ariens ST824**

5 H.P.	078640
7 H.P.	078641
8 H.P.	078642
10 H.P.	078643
11 H.P.	078934

This engine has provisions for electric starter kit.

078607A

078607

FRANCE	078686
SWEDEN	078844
GERMANY	078945

**Deflector**  
1/4 Turn  
To Lock

**Pull To Raise**  
**Push To Lower**

078936

078936

FRANCE	078968
FINLAND	078967
SWEDEN	078943
NORWAY	078944
GERMANY	078964

**Ariens ST824**

ST 824	077899
ST 828	077811
ST 1032	077900
ST 1136	077901
ST 1236	077812

Slow

Throttle

Fast

078604

FRANCE	078693
FINLAND	078819
SWEDEN	078882
NORWAY	078857
GERMANY	078957

## CAST IRON BORE

077976

FRANCE	077976-01
FINLAND	077976-05
SWEDEN	077976-03
NORWAY	077976-04
GERMANY	077976-02

ARIENS COMPANY  
BRILLION, WI U.S.A.



CERTIFICATION APPLIES WITH  
ARIENS SUPPLIED COMPLIANCE  
PACKAGE INSTALLED.

DIE BESTÄTIGUNG GILT FÜR DAS  
VON ARIENS GELIEFERTE KOMFOR-  
MITATS - MATERIAL.

077805

**11HP**

078911

5 H.P. Engine Decal	078611
7 H.P. Engine Decal	078637
8 H.P. Engine Decal	078636
10 H.P. Engine Decal	078635
11 H.P. Engine Decal	078933

**Models 924050, 51, 71, 73, 74, 75, 76, 77**



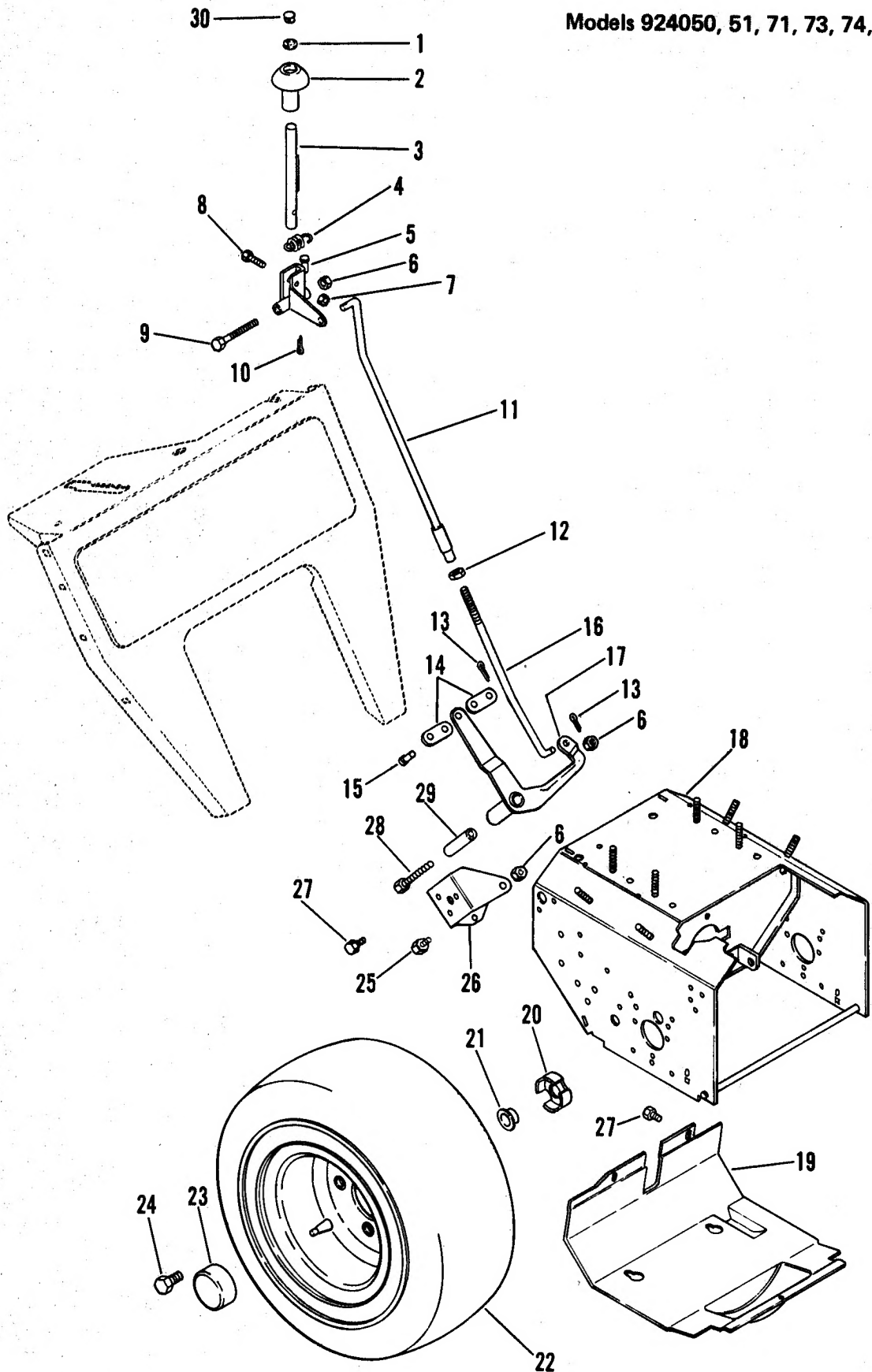
# Handlebars and Controls

Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	32135	Wheel Drive Clutch Lever	1	37	67001	Cotter Pin 3/32 x 3/4	1
2	24431	Upper Handlebar	1	38	24272	Clutch Fork	1
		(50,51,71,73,74,76,77)		39	24069	Fork Pivot Rod	1
	24573	Upper Handlebar (75)	1	40	67002	Cotter Pin 3/32 x 1"	2
3	65056	Flange Whiz-Lock Nut 1/4-20	5	41	524047	Spring Assembly	2
4	64094	Washer .260/.270 x .5 x .087	1	42	24228	Clutch Engagement Yoke	1
5	59050	Cap Screw 1/4-20 x 1-1/2	1	43	63019	Lock Washer 5/8	1
6	65075	Key Switch Nut 5/8-32	1	44	32010	Lever Clutch	1
7	13157	Key	2	45	24429	Lever	1
8	75095	Snap Bushing	1	46	58026	Roll Pin 5/32 x 7/8	1
9	55131	Sleeve Bushing	1	47	55037	Flange Bushing	1
10	65040	Center Lock Nut 1/4-20	3	48	65018	Nut 3/8-16	4
11	64037	Washer .281 x 1.250 x .062	2	49	63004	Lock Washer 3/8	4
12	55132	Sleeve Bushing	2	50	24446	L.H. Lower Handlebar	1
13	24459	Slider	1		24447	R.H. Lower Handlebar	1
14	83149	Extension Spring 2-3/4	1	51	69012	Clamp	1
15	24433	Traction Clutch Rod	1	52	62062	Carriage Bolt 5/16-18 x 1-1/2	2
		(50,51,71,73,74,76,77)		53	62067	Carriage Bolt 5/16-18 x 3/4	2
15	24444	Traction Clutch Rod (75)	1	54	83183	Extension Spring 5-1/4	1
16	83187	Extension Spring 4"	1	55	2270	Clutch Chain	1
17	67019	Hair Pin	1	56	65078	Flange Whiz-Lock Nut 5/16-18	4
18	65099	Hex Jam Nut 1/4-20	2	57	24467	L.H. Stiffener	1
19	60036	Set Screw 1/4-20 x 3/4	2		24468	R.H. Stiffener	1
20	24458	Clevis Pin	1	58	67018	Pin-Cotter Pin 1/8 x 1/2	1
21	24457	Clevis	2	59	524062	Upper Handlebar Panel w/Decal	1
22	64090	Washer .312/.343 x .875 x .062	2	60	75050	Snap Bushing	1
23	10358	Spacer Bushing	1	61	62060	Carriage Bolt 1/4-20 x 1-1/2	4
24	24460	Bellcrank	1	62	22153	Push Nut	4
25	65042	Two Way Lock Nut 5/16-18 Gr A	2	63	24539	Pin	2
26	58005	Roll Pin 3/16 x 1/8	1	64	22129	Handle Pivot	2
27	59028	Cap Screw 1/4-20 x 1/2	1	65	74039	Tapping Screw #12-14 x 1-1/2	4
28	24549	Stud Brace	1	66	24456	Attachment Clutch Rod	1
29	59022	Cap Screw 5/16-18 x 3/4	1	67	32136	Attachment Clutch Lever	1
30	65062	Nylon Lock Nut 5/16-18	1	68	75006	Grip	2
31	10542	Adapter Spacer	1	69	22161	Shorting Wire	1
32	24227	Adapter	1	70	74015	Taptite 1/4-20 x 3/8	1
33	24086	Spacer	1	71	24551	Jumper (71)	1
34	60012	Set Screw 5/16-18 x 3/8	1		24584	Jumper (73,76,77)	1
35	22135	Rod Adapter	1	72	75107	Wire Clip	1
36	83094	Extension Spring 3-1/16	1	73	24565	Key Switch Assembly	1

# Speed Selector and Wheels

Models 924050, 51, 71, 73, 74, 75, 76, 77





# Speed Selector and Wheels

Models 924050, 51, 71, 73, 74, 75, 76, 77

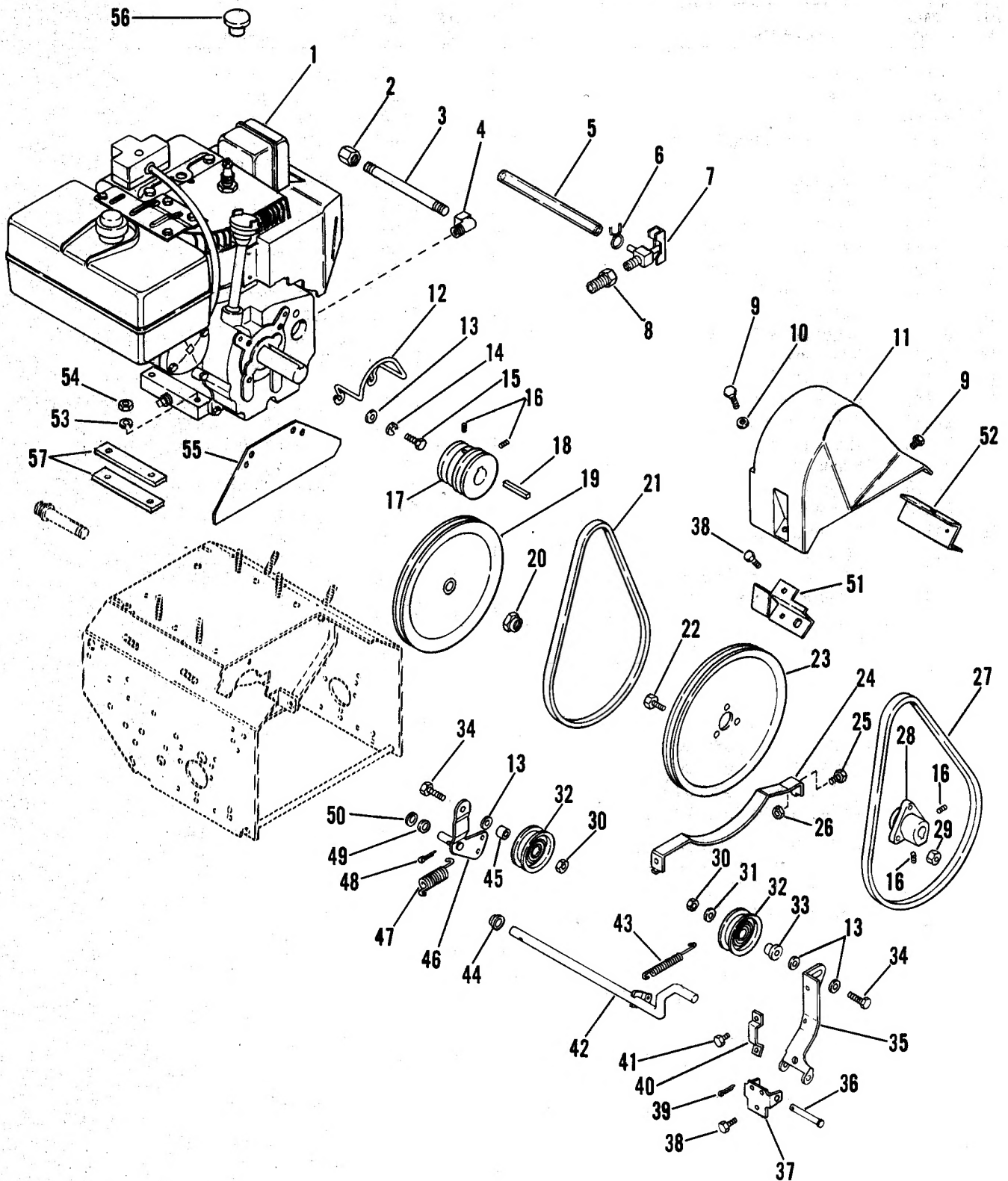
ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	57086	Snap Ring 1/2	1	22	71037	Inner Tube 8 x 4.00 (50,51,74)	2
2	75096	Knob	1		71050	Inner Tube 6 x 4.10/3.50 (75)	2
3	24448	Rod	1		71087	Inner Tube 8 x 6.50 (71,73)	2
4	83184	Extension Spring 1-1/16	1		71052	Rim 6" OD (75)	2
5	24443	Pivot	1		71076	Rim 8 x 4.80/4.00 (50,51,74,77)	2
6	65042	Two Way Lock Nut 5/16-18 Gr A	3		71077	Rim 8 x 6.50 (71,73,76)	2
7	65040	Center Lock Nut 1/4-20	1		71021	(A)Turf Saver Tire 8 x 6.50 (71,73)	2
8	59132	Cap Screw 1/4-20 x 1	1		71046	(A)Turf Saver Tire 6 x 4.10/3.50 (75)	2
9	59131	Cap Screw 5/16-18 x 2-1/4	1		71052	(A)Turf Saver Wheel w/Tire (71,73)	2
10	67024	Cotter Pin 1/8 x 3/4	1		71082	(A)Turf Saver Tire (50,51,74)	2
11	24442	Upper Shift Rod	1		71151	(A)Turf Saver Wheel w/Tire (50,51,74)	2
12	65031	Nut 5/16-24	1		71165	(A)Turf Saver Wheel w/Tire (75)	2
13	67001	Cotter Pin 3/32 x 3/4	3		71216	(B)Snow-Hog Tire 16 x 6.50-8 (71,73,76)	2
14	24493	Shift Link	2		71217	(B)Snow-Hog Wheel w/Tire 6.50 (71,73,76)	2
15	12151	Clevis Pin	2		71218	(B)Snow-Hog Tire 4.80/4.00-8 (50,51,77)	2
16	24441	Lower Shift Rod	1		71219	(B)Snow-Hog Wheel w/Tire 4.50/4.00 x 8 (50,51,77)	2
17	24232	Shift Arm Lever	1				
18	24588	Frame (50,51,73,77)	1	23	3377	Hub Cap	1
	24502	Frame (71)	1	24	74063	Taptite 1/2-20 x 5/8	8
	24436	Frame (74,75)	1	25	59039	Cap Screw 5/16-18 x 1/2	1
	24589	Frame (76)	1	26	24231	Shift Lever Bracket	1
19	24430	Bottom Cover	1	27	74014	Taptite 5/16-18 x 1/2	7
20	35169	Spindle Cup	1	28	59136	Cap Screw 5/16-18 x 3	1
21	10366	Pushnut (50,51,71,73)	1	29	24115	Spacer	1
	67014	Cotter Pin 1/8 x 1-1/4 (74,75)	1	30	75167	Hole Plug	1

(A) 924050 S/N <085100  
 924051 S/N <000700  
 924071 S/N <008200  
 924073 S/N <012400

(B) 924050 S/N 085101  
 924051 S/N 000701  
 924071 S/N 008201  
 924073 S/N 012401

# Engine and Belt Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



# Engine and Belt Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
		Order Engine and Parts from Engine Manufacturers Dealer		20	65077	Nylon Lock Nut 5/8-18	1
1	82196	5 HP Engine (74)	1	21	72066	V-Belt (50,51,73,74,77)	1
		Tecumseh HSK50-65496			72098	V-Belt (75)	1
82236		7 HP Engine (75)	1		72131	V-Belt (71,76)	1
		Tecumseh HSK70-130210K		22	70060	Rib Neck Bolt 5/16-18 x 7/8	3
82197	(A)8 HP Engine (50,51)		1	23	73070	Pulley	1
		Tecumseh HMSK80-155276J		24	24236	Belt Retainer (71,73,76,77)	1
82214	(B)8 HP Engine (50,51)		1	25	59028	Cap Screw 1/4-20 x 1/2	2
		Tecumseh HMSKB0-155276K		26	65040	Center Lock Nut 1/4-20	2
82233	(C)8 HP Engine (50,51,77)		1	27	72086	V-Belt (50,74)	1
		Tecumseh HMSK80-155316M		27	72108	V-Belt (73,75,77)	1
82173	(A)10 HP Engine (73)		1		72130	V-Belt (71,76)	1
		Tecumseh HMSK100-159024J		28	24389	Hub	1
82215	(B)10 HP Engine (73)		1	29	65078	Flange Whiz-Lock Nut 5/16-18	3
		Tecumseh HMSK100-159024K		30	65042	Two Way Lock Nut 5/16-18 Gr A	2
82255	(C)10 HP Engine (73)		1	31	64007	Washer .307/.327 x .734 x .065	1
		Tecumseh HMSK100-159119M		32	24574	Idler	2
82174	(A)11 HP Engine (71)		1	33	12131	Bearing Spacer	1
		Briggs & Stratton 252416-0632-01		34	59069	Cap Screw 5/16-18 x 1-1/4	2
82235	(B)11 HP Engine (71)		1	35	24348	Idler Arm	1
		Briggs & Stratton 252416-0739-01		36	24354	Clevis Pin	1
82275	12 HP Engine (76)		1	37	24347	Bracket	1
		Tecumseh OHSK 120-222001		38	74015	Taptite 1/4-20 x 3/8	5
2	25208	Hex Cap (50,51,73)	1	39	67001	Cotter Pin 3/32 x 3/4	1
3	12222	Nipple (50,51,73)	1	40	24353	Return Clip	1
4	10485	Street Elbow (50,51,73)	1	41	74054	Taptite #10-24 x 3/8	2
5	35101	Tube (71)	1	42	24428	Activating Shaft	1
6	30199	Hose Clamp (71)	1	43	83172	Extension Spring 3-3/8	1
7	35105	Drain Lock (71)	1	44	55037	Flange Bushing	1
8	35077	Bushing (71)	1	45	11031	Spacer	1
9	74049	Taptite 1/4-20 x 1/2	2	46	24537	Idler Arm	1
10	64065	Washer .263/.273 x .562 x .046	1	47	83094	Extension Spring 3-1/16	1
11	24406	Belt Cover	1	48	67004	Cotter Pin 1/8 x 1"	1
12	24253	Belt Finger (50,51,73,74,75)	1	49	64052	Washer .380/.385 x .812 x 24 Ga	1
	24505	Belt Finger (71)	1	50	10260	Wave Washer	1
13	64002	Washer .370/.390 x .875 x .083	5	51	24507	R.H. Support	1
14	63032	Lock Washer 5/16	2	52	24501	L.H. Support	1
15	59053	Cap Screw 5/16-24 x 3/4 Gr 5	2	53	63003	Lock Washer 5/16	4
16	60012	Set Screw 5/16-18 x 3/8	4	54	65015	Nut 5/16-18	4
17	24021	Engine Pulley ((75)	1	55	24597	Plate	1
	24357	Engine Pulley (50,51,71,73,74,76,77)	1	56	75097	Knob W/10-24	1
18	66018	Straight Key 1/4 x 1-3/4 x 1/4	1			Tapped Metal Insert (71)	
19	73049	Pulley	1	57	24587	Spacer	4

(A)924050 S/N <063957

924051 S/N <000530

924071 S/N <008200

924073 S/N <007797

(B)924050 S/N 064100> <085100

924051 S/N 000600> <000700

924071 S/N 008201>

924073 S/N 007901> <012400

(C)924050 S/N 085101>

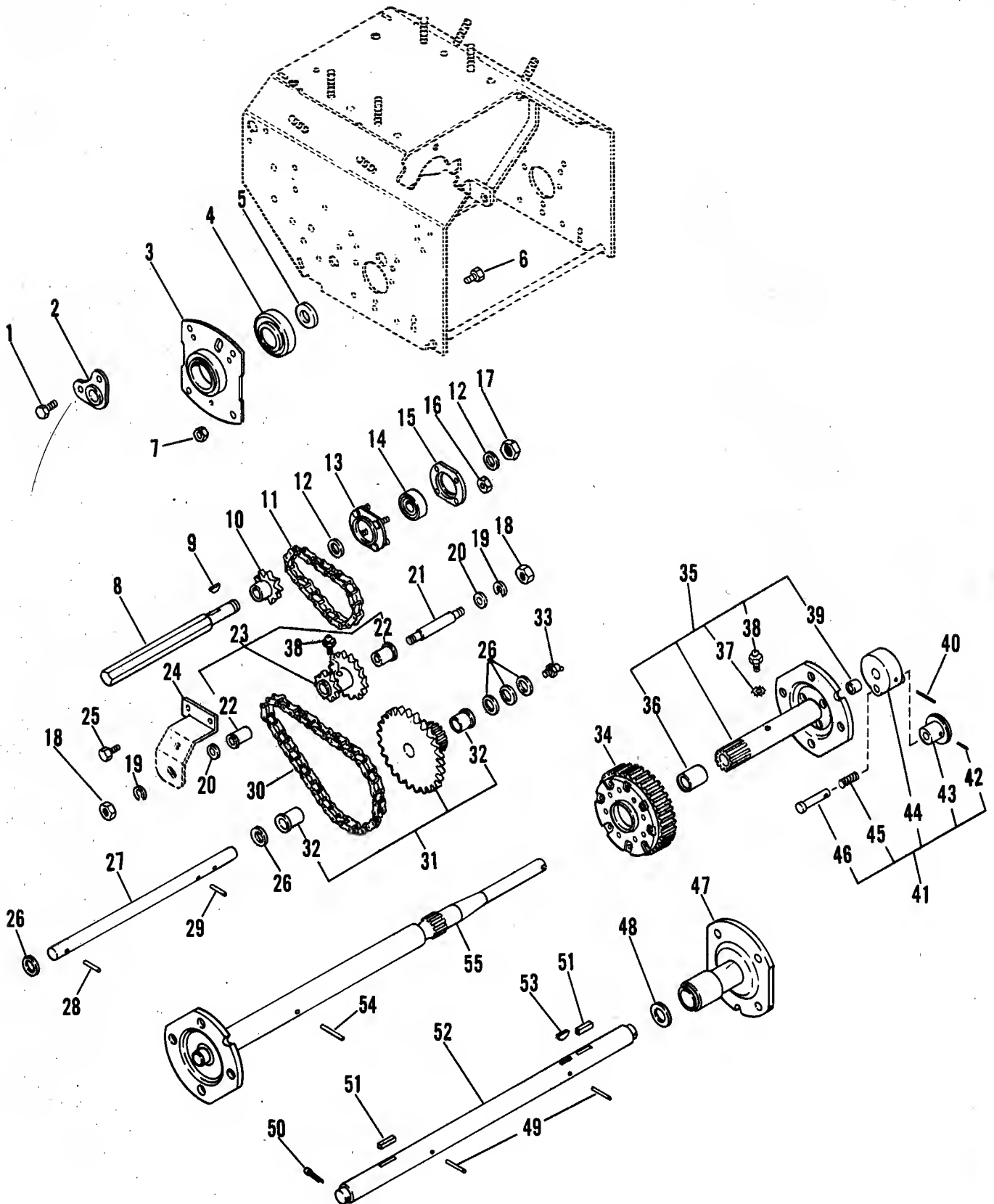
924051 S/N 000701>

924073 S/N 012401>

924077 S/N 000101>

# Reduction Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



# Reduction Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	74015	Taptite 1/4-20 x 3/8	6	28	58029	Roll Pin 5/32 x 1"	1
2	24077	Shaft Support	2	29	58009	Roll Pin 1/8 x 1"	1
3	12023	Bearing Retainer (74,75)	2	30	24074	Pinion Chain	1
	24363	(A)Bearing Retainer (50,51,71,73)	2	31	524002	Pinion & Sprocket (75)	1
	24578	(B)Bearing Retainer (50,51,71,73,76,77)	2		524032	Pinion & Sprocket (50,51,71,73,74,76,77)	1
4	54136	(A)Ball Bearing (50,51,71,73)	2	32	55026	Flange Bushing	2
	54177	(B)Ball Bearing (50,51,71,73,76,77)	2	33	13136	Zerk Fitting	1
	55030	Bushing (74)	2	34	10211	Spur Gear (75)	1
	55039	Bushing (75)	2		24396	Spur Gear (74)	1
5	64033	Washer .750/.760 x 1.375 x .125	2		524053	Differential (50,51,71,73)	2
	64170	Washer 1.135/1.145 x 1.718 x .134	2	35	524054	L.H. Axle (71,73)	1
6	70011	Rib Neck Bolt 1/4-20 x 5/8	8		524055	L.H. Axle (50,51)	1
	70058	Rib Neck Bolt 1/4-20 x 1/2	8	36	55057	Sleeve Bushing	1
7	65056	Flange Whiz-Lock Nut 1/4-20	8	37	63025	Lock Washer 1/4	1
8	24045	Hex Shaft (50,51,71,73,74)	1	38	22093	Zerk Fitting	2
	24338	Hex Shaft (75)	1	39	55029	Sleeve Bushing	1
9	66015	Woodruff Key 1/8 x 5/8 x 1/4	1	40	58042	Groove Pin 1/4 x 1-3/4	1
10	10276	9 Tooth Sprocket	1	41	524059	Lockout Hub Assembly (50,51,71,73)	1
11	12078	Idler Chain (75)	1	42	58032	Roll Pin 3/32 x 1"	1
	24073	Idler Chain (50,51,71,73,74)	1	43	10375	Knob	1
12	64003	Washer .526/.546 x 1.062 x .095	2	44	10372	Lockout Hub	1
13	3085	Bearing Flange	1	45	83007	Compression Spring 1"	1
14	54080	Radial Bearing 1/2 I.D.	1	46	10374	Pin	1
15	24141	Bearing Flange	1	47	24323	Wheel Hub (75)	2
16	65094	Twin Whiz-Lock Nut #10-24	4		24398	Wheel Hub (74)	2
17	65054	Center Lock Nut 1/2-20	1	48	64033	Washer .750/.760 x 1.375 x .125	2
18	65018	Nut 3/8-16	2		64036	Washer .875/.885 x 1.380 x .062	2
19	63014	Lock Washer 3/8	2	49	58003	Roll Pin 3/16 x 1-1/4	2
20	64093	Washer .380/.385 x .812 x .062	2	50	67014	Cotter Pin 1/8 x 1-1/4	2
21	24475	Reduction Shaft	1	51	66011	Feather Key 3/16 x 1-1/4 x 3/16	2
22	55040	Sleeve Bushing	2	52	24322	Axle Shaft (75)	1
23	524052	Reduction Sprocket	1		24397	Axle Shaft (74)	1
24	24366	Shaft Support (50,51,71,73,74,76,77)	1	53	66008	Woodruff Key 1/4 x 7/8 x 3/8	1
	24339	Clutch Stop (75)	1		66012	Woodruff Key 1/4 x 3/4 x 5/16	1
25	74052	Taptite 1/4-20 x 1/2	1	54	58030	Roll Pin 3/16 x 1-1/2	1
26	64039	Washer .625/.635 x 1.005 x 24 Ga	5	55	24371	R.H. Axle (71,73)	1
27	24367	Pinion Shaft	1		24409	R.H. Axle (50,51)	1

(A)924050 S/N <085100

924051 S/N <000700

924071 S/N <008200

924073 S/N <012400

(B)924050 S/N 085101>

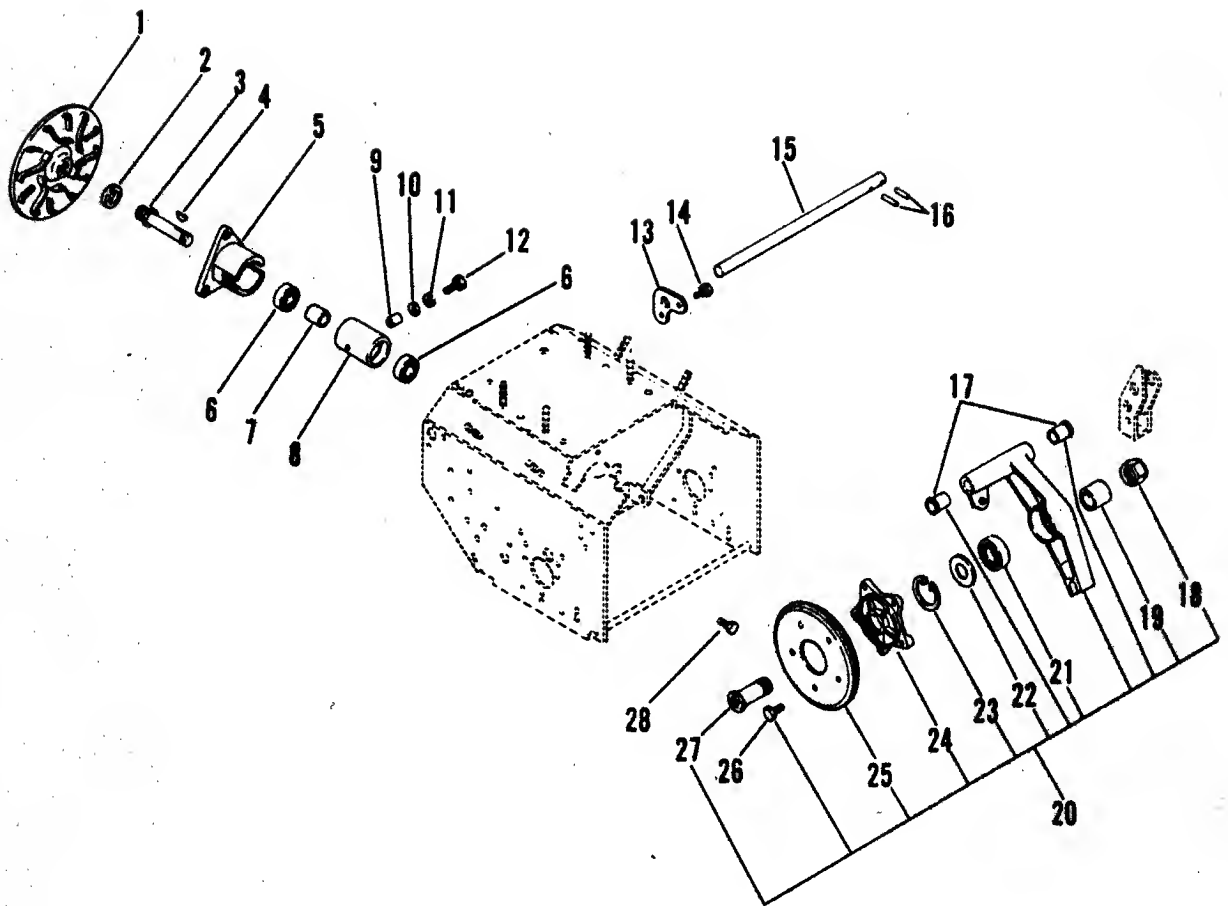
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924073 S/N 012401>

# Friction Wheel Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



# Friction Wheel Drive

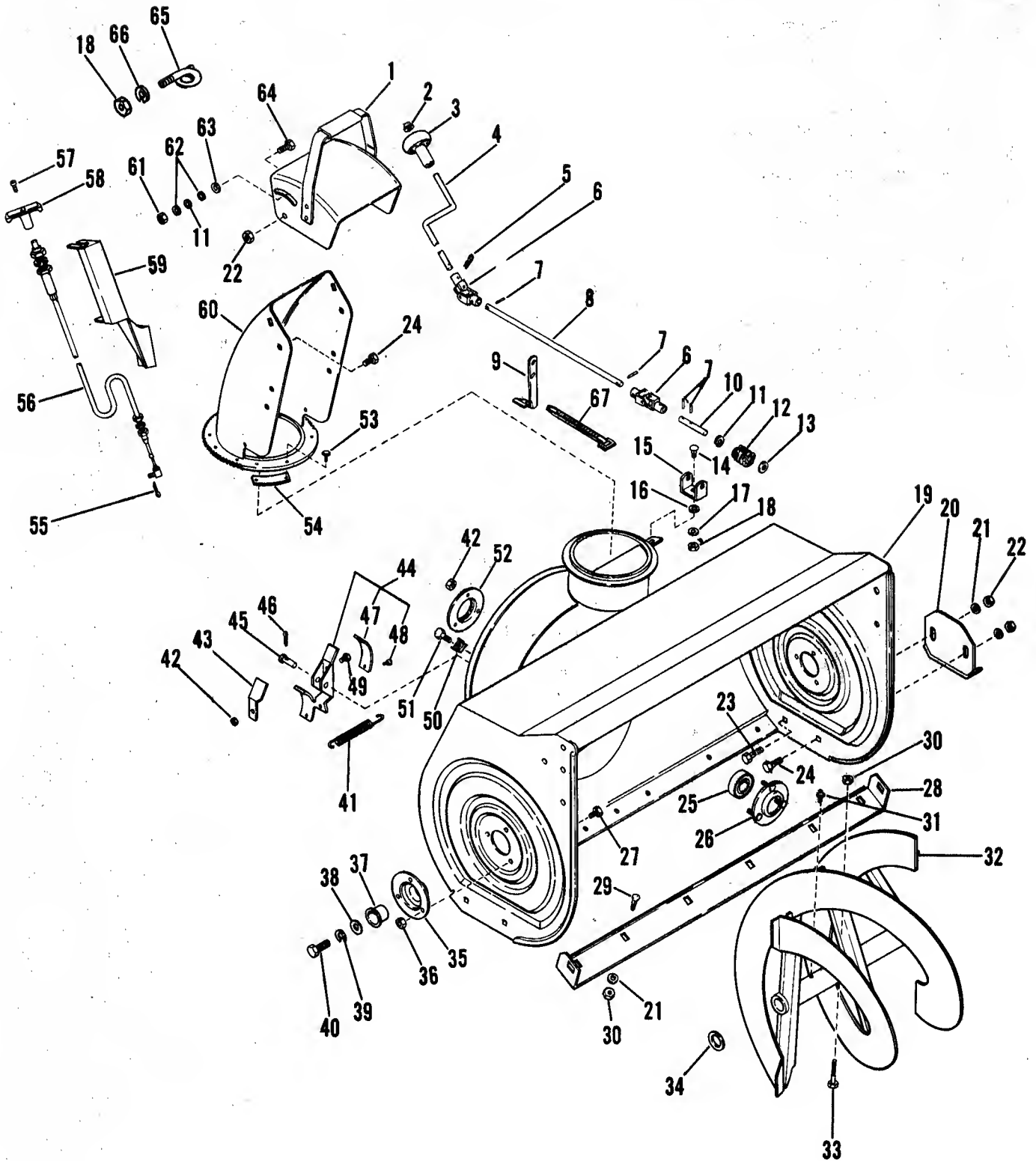
Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	10546	Drive Disc	1	15	24081	Carrier Shaft	1
2	24071	Drive Disc Spacer	1	16	58029	Roll Pin 5/32 x 1"	2
3	24076	Spindle	1	17	55026	Flange Bushing	2
4	66006	Woodruff Key 1/8 x 1/2 x 13/64	1	18	65086	Nylon Lock Nut 7/8-14	1
5	22003	(A)Spindle Housing	1	19	55126	Sleeve Bushing	1
5	24582	(B)Spindle Housing	1	20	524046	Carrier	1
6	54039	Ball Bearing	2	21	54093	Radial Bearing	1
7	24155	Bearing Spacer	1	22	64071	Washer .877/.887 x 1.250 x .062	2
8	22002	(A)Housing Mount	1	23	57021	Snap Ring 1-3/4 x .062	1
	24581	(B)Housing Mount	1	24	24454	Friction Wheel Hub	1
9	3034	Roller	1	25	3003	Friction Wheel	1
10	64123	Washer .339/.359 x .687 x .065	1	26	74014	Taptite 5/16-18 x 1/2	5
11	63003	Lock Washer 5/16	1	27	24455	Spindle Hub	1
12	59003	Cap Screw 5/16-18 x 1"	1	28	74014	Taptite 5/16-18 x 1/2	3
13	24077	Shaft Support	1				
14	74015	Taptite 1/4-20 x 3/8	2				

(A)924050 S/N <085100  
 924051 S/N <000700  
 924071 S/N <008200  
 924073 S/N <012400  
 924074 S/N 000101>  
 924075 S/N 000101>  
 (B)924050 S/N 085101>  
 924051 S/N 000701>  
 924071 S/N 008201>  
 924073 S/N 012401

# Auger/Impeller

Models 924050, 51, 71, 73, 74, 75, 76, 77





# Auger/Impeller

Models 924050, 51, 71, 73, 74, 75, 76, 77

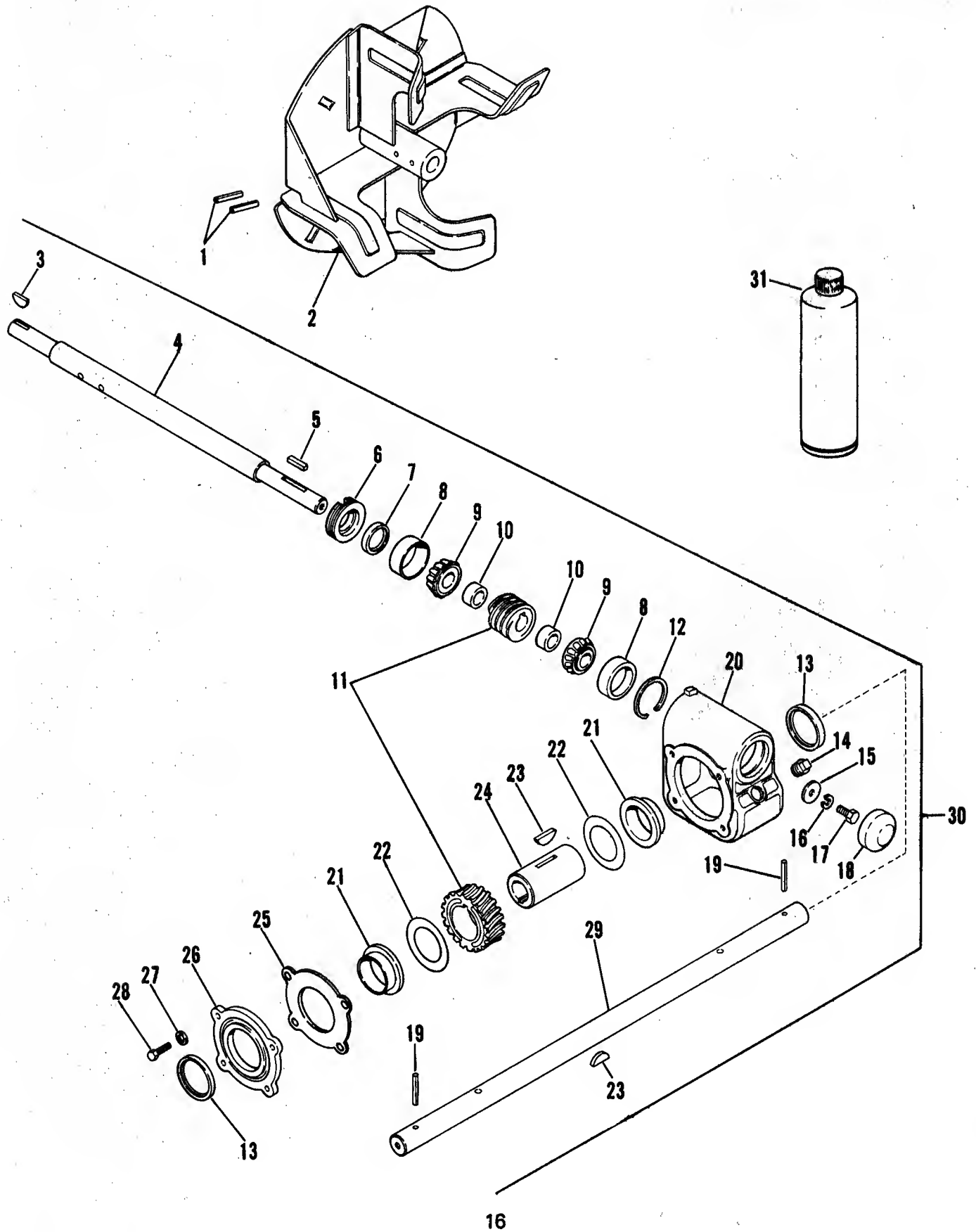
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1	524061	(A) Deflector (50,73,74,75)	1	31	22093	Zerk Fitting	4
	531144	(B) Deflector (71,73,76,77)	1	32	524013	32" R.H. Auger (73)	1
2	10198	Cap	1		524014	32" L.H. Auger (73)	1
3	75083	Knob	1		524039	24" R.H. Auger (50,74,75)	1
4	24461	Chute Control Crank	1		524040	24" L.H. Auger (50,74,75)	1
		(50,73,74,75,76,77)			524063	28" R.H. Auger (77)	1
	24508	Chute Control Crank (71)	1		524064	28" L.H. Auger (77)	1
5	67004	Cotter Pin 1/8 x 1" (50,74,75)	1		535034	36" R.H. Auger (71,76)	1
	67010	Hair Pin (71,73)	2		535035	36" L.H. Auger (71,76)	1
6	524050	Universal Joint	2	33	510015	Shear Bolt w/Nut	2
7	58034	Roll Pin 1/8 x 3/4	3	34	64046	Washer 1.005/.1.015 x 1.505 x .062	2
8	24346	Rod (50,73,74,75)	1	35	24374	Bearing Support	2
	24504	Rod (71)	1	36	65056	Flange Whiz-Lock Nut 1/4-20	6
9	24434	Chute Crank Bracket	1	37	55035	Flange Bushing	2
		(50,73,74,75,76,77)		38	64047	Washer .506/.516 x 1.441 x .125	2
	24503	Chute Crank Bracket (71)	1	39	63006	Lock Washer 1/2	2
10	10494	Worm Shaft (50,73,74,75)	1	40	59024	Cap Screw 1/2-13 x 1"	2
	24514	Worm Shaft (71,73,76,77)	1	41	83164	Extension Spring 5-1/4	1
11	10260	Wave Washer (50,73,74,75)	1	42	65040	Center Lock Nut 1/4-20	4
	13202	Wave Washer (71,73,76,77)	1	43	24405	Arm Extension (50,74)	1
12	24500	L.H. Worm Gear	1	44	524048	Arm w/Lining	1
13	64168	Plastic Washer .390 x .875 x .062	1	45	24481	Clevis Pin	1
14	62034	Carriage Bolt 5/16-18 x 3/4	1	46	67039	Cotter Pin 1/16 x 3/4	1
15	22123	Worm Clevis	1	47	22178	Brake Lining	1
16	63035	Lock Washer 3/8	1	48	68067	Oval Rivet 3/16 x 7/16	2
17	63023	Lock Washer 5/16	1	49	59080	Cap Screw 1/4-20 x 5/8	1
18	65015	Nut 5/16-18	3	50	70026	Retainer Nut	2
19	524036	24" Auger/Impeller Housing (75)	1	51	70031	Flange Whiz-Lock Screw 3/8-16 x 3/4	2
	524037	24" Auger/Impeller Housing (50,74)	1	52	10142	Bearing Flange (50,74,75)	1
	524038	32" Auger/Impeller Housing (73)	1		31859	Bearing Flange (71,73,76,77)	1
	524043	36" Auger/Impeller Housing (71,76)	1	53	74069	Taptite #10-24 x 1/2	8
	524065	28" Auger/Impeller Housing (77)	1	54	24590	Chute Clamp	4
20	24599	Runner (50,74,75)	2	55	67001	Cotter Pin 3/32 x 3/4	1
	30755	Runner (71,73,76,77)	2	56	69137	Control Cable (71,73,76,77)	1
21	64002	Washer .370/.390 x .875 x .083	15	57	61065	Machine Screw #10-32 x 1/2	1
22	65039	Two Way Lock Nut 3/8-16 Gr A	5	58	75137	Tee Handle (71,73,76,77)	1
23	62013	Carriage Bolt 3/8-16 x 1"	2	59	24535	Deflector Control Bracket	1
24	62010	Carriage Bolt 3/8-16 x 3/4	5			(71,73,76,77)	
25	54052	Ball Bearing (71,73)	1	60	24548	(A) Discharge Chute (71,73,76,77)	1
	54063	Radial Bearing (50,74,75)	1		24499	(B) Discharge Chute (50,73,74,75)	1
26	3017	Bearing Flange (50,74,75)	1	61	65001	Jam Nut 3/8-16	2
	31860	Bearing Flange (71,73,76,77)	1		65039	Two Way Lock Nut 3/8-16 Gr A	2
27	70058	Rib Neck Bolt 1/4-20 x 1/2	6	62	64043	Washer .401/.421 x .812 x .065	2
28	10164	Scraper Blade (50,74,75)	1		64067	Washer .390 x .875 x 7 Ga	1
	24373	Scraper Blade (73)	1	63	64168	Plastic Washer .390 x .875 x .062	1
	24592	Scraper Blade (77)	1	64	59023	Cap Screw 3/8-16 x 3/4	2
	35192	Scraper Blade (71,76)	1	65	24496	Cable Guide (71)	1
29	62033	Carriage Bolt 5/16-18 x 5/8	5	66	63003	Lock Washer 5/16	1
30	65042	Two Way Lock Nut 5/16-18 Gr A	13	67	69170	Cable Tie	1

(A) 924073 S/N <015900

(B) 924073 S/N 015901>

# Gear Case Cast Iron

Models 924071, 73, 76, 77



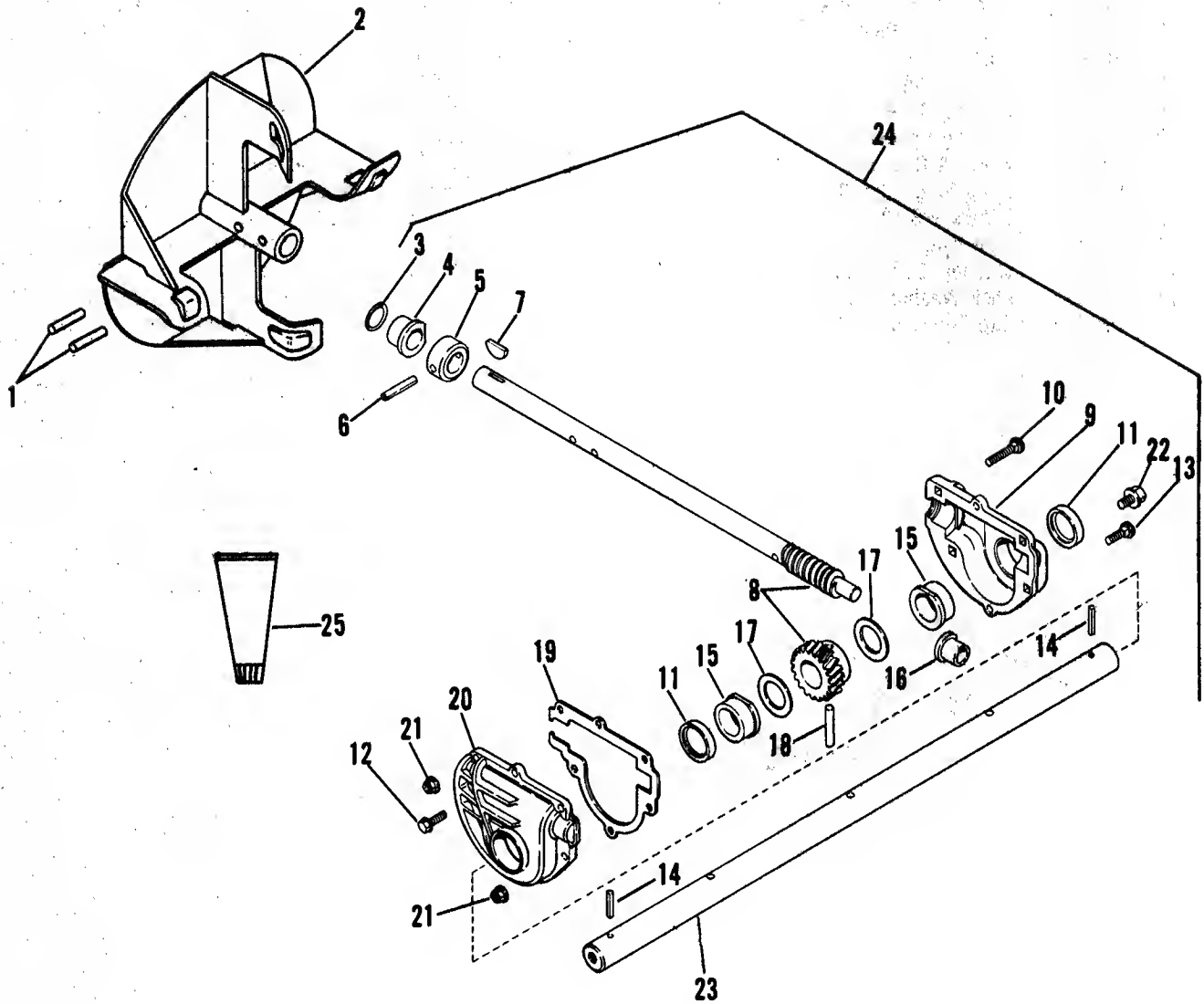
# Gear Case Cast Iron

Models 924071, 73, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	58015	Roll Pin 5/16 x 1-3/4	2	18	4037	Dust Cap	1
2	24376	Impeller	1	19	58030	Roll Pin 3/16 x 1-1/2	2
3	66001	Woodruff Key 3/16 x 7/8 x 3/8	1	20	24002	Gear Case	1
4	24375	Worm Shaft	1	21	55059	Flange Bushing	2
5	66013	Straight Key 3/16 x 1" x 3/16	1	22	64087	Washer 1.623/1.627 x 2.5 x .012	2
6	24015	Adjustment Plug	1	23	66008	Woodruff Key 1/4 x 7/8 x 3/8	1
7	56061	Seal 1" ID	1	24	24064	Gear Case Shaft	1
8	54044	Bearing Cup	2	25	2008	Gasket	1
9	54045	Bearing Cone	2	26	24013	Gear Case Cover	1
10	2005	Bearing Spacer	2	27	63017	Lock Washer 1/4	4
11	524009	Worm & Gear Set	1	28	59001	Cap Screw 1/4-20 x 3/4	4
12	57075	Snap Ring 1-25/32 x .062	1	29	24065	Auger Shaft (73)	1
13	56070	Seal 1-5/8 ID	2		24596	Auger Shaft (77)	1
14	1138	Pipe Plug	1		35195	Auger Shaft (71,76)	1
15	64082	Washer .323/.333 x 1" x .094	1	30	524035	Gear Case (Complete)	1
16	63003	Lock Washer 5/16	1			Requires 5 Oz. L-2 Compound	1
17	59022	Cap Screw 5/16-18 x 3/4	1	31	80	16 Oz. L2 Compound	5

# Gear Case Aluminum

Models 924050, 74, 75



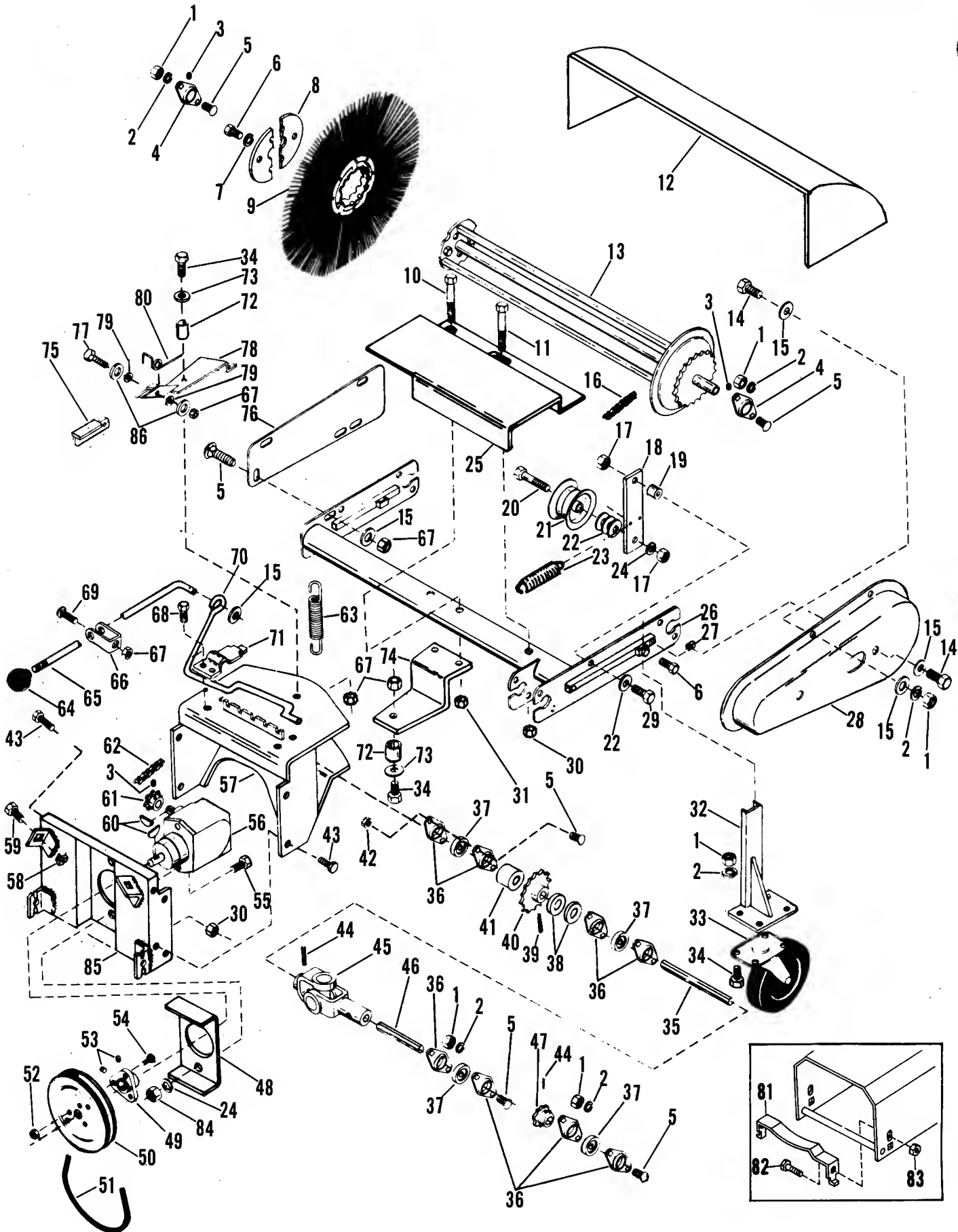
# Gear Case Aluminum

Models 924050, 74, 75

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	58037	Roll Pin 1/4 x 1-3/4	2	14	58030	Roll Pin 3/16 x 1-1/2	2
2	24237	Impeller	1	15	55122	Flange Bushing	2
3	56047	O-Ring 3/4 ID	1	16	55111	Flange Bushing	1
4	55112	Flange Bushing	1	17	64166	Washer 1.002/1.012 x 1.5	2
5	32103	Thrust Collar	1	18	58069	Groove Pin 5/16 x 1-7/16	1
6	58045	Groove Pin 3/16 x 1-1/4	1	19	32038	Gasket	1
7	66001	Woodruff Key 3/16 x 7/8 x 3/8	1	20	24380	R.H. Gear Case Half	1
8	524026	Worm & Gear Shaft Set	1	21	65056	Flange Whiz-Lock Nut 1/4-20	4
9	24379	L.H. Gear Case Half	1	22	74016	Taptite 3/8-16 x 1/2	1
10	62001	Carriage Bolt 1/4-20 x 1-1/4	2	23	24383	Auger Shaft	1
11	56061	Seal 1" ID	2	24	524030	Gear Case (Complete)	1
12	74027	Taptite #10-24 x 3/4	2			Requires 2 Oz. Liquid Grease	
13	62054	Carriage Bolt 1/4-20 x 7/8	2	25	72	8 Oz. Tube Liquid Grease	4

# Brush

Model 824004



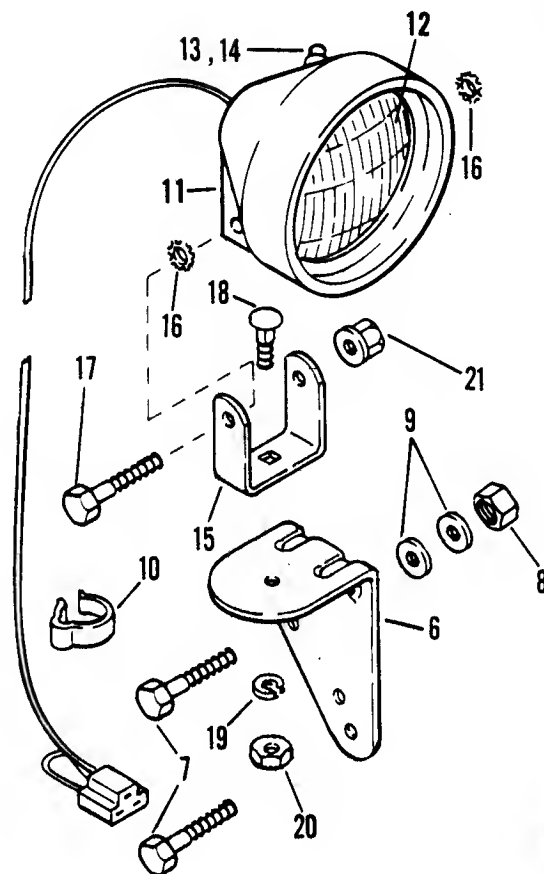
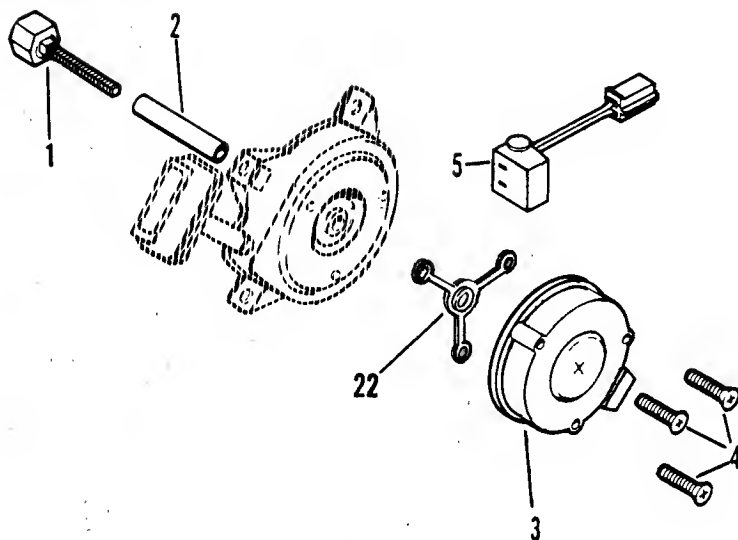
# Brush

Model 824004

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	65015	Nut 5/16-18	21	45	24306	U-Joint	1
2	63003	Lock Washer 5/16	21	46	24299	Drive Shaft	1
3	60011	Set Screw 1/4-20	4	47	10609	Sprocket	1
4	54096	Bearing	2	48	24295	Stiffener Plate	1
5	62011	Carriage Bolt 5/16-18 x 3/4	12	49	2862	Hub	1
6	59024	Cap Screw 1/2-13 x 1"	4	50	73070	Sheave	1
7	63006	Lock Washer 1/2	2	51	72108	V-Belt	1
8	10629	Retainer Plate	2		72130	V-Belt (71)	1
9	10605	Brush Selection (Poly)	20	52	65078	Lock Nut 5/16-18	3
10	59208	Cap Screw 3/8-16 x 3-1/2	2	53	60012	Set Screw	2
11	59049	Cap Screw 3/8-16 x 3"	1	54	70053	Ribbed Neck Bolt 5/16-18 x 3/4	3
12	10601	Hood	1	55	59005	Cap Screw 3/8-16 x 1-1/4	2
13	10604	Core	1	56	24004	Gear Box	1
14	59003	Cap Screw 5/16-18 x 1"	7	57	24419	Adapter Frame	1
15	64002	Washer 5/16	14	58	70026	Retainer Nut	2
16	10608	Chain	1	59	70031	Lock Screw 3/8-16 x 3/4	2
17	65039	Locknut 3/8-16	2	60	66003	Woodruff Key 3/16 x 5/8 x 5/16	2
18	10602	Idler Arm	1	61	24298	Sprocket	1
19	55066	Bushing	1	62	12078	Chain	1
20	59068	Cap Screw 3/8-16 x 2"	1	63	83033	Extension Spring	1
21	10613	Chain Tightener	1	64	75015	Shift Ball	1
22	64008	Washer 3/8	4	65	1057	Position Rod	1
23	83088	Spring	1	66	22065	Position Support Bracket	1
24	63004	Lock Washer 3/8	3	67	65042	Lock Nut 5/16-18	6
25	24293	Shaft Guard	1	68	70027	Lock Screw 5/16-18 x 3/4	2
26	10600	Brush Frame	1	69	62022	Carriage Bolt 5/16-18 x 1-3/8	1
27	65088	Speed Nut 5/16-18	2	70	24287	Release Rod	1
28	10612	Chain Shield	1	71	25353	Clamp	2
29	59004	Cap Screw 3/8-16 x 1"	1	72	6071	Spacer Bushing	2
30	65059	Lock Nut 3/8-16	5	73	64082	Washer 5/16	2
31	65122	Lock Nut 3/8-16	2	74	24292	Bottom Mount	1
32	24477	Castor Leg	2	75	24418	Latch Bar	1
33	71094	Castor	2	76	10603	Hood Strap	1
34	59022	Cap Screw 5/16-18 x 3/4	10	77	59057	Cap Screw 5/16-18 x 1-1/4	1
35	24291	Shaft	1	78	24417	Top Mount	1
36	24296	Bearing Flange	8	79	64044	Washer 21/64	2
37	54097	Bearing	3	80	83003	Spring	1
38	64185	Washer	2	81	24236	Belt Retainer	1
39	58056	Roll Pin 3/16 x 1-3/4	1	82	59028	Cap Screw 1/4-20 x 1/2	2
40	10620	Sprocket	1	83	65040	Lock Nut 1/4-20	2
41	24476	Spacer	1	84	65018	Lock Nut 3/8-16	2
42	65124	Nut 5/16-18	2	85	24294	Mounting Plate	1
43	59023	Cap Screw 3/8-16	4	86	64079	Washer 11/32	2
44	58030	Roll Pin 3/16 x 1-1/2	1				

# Alternator/Headlight

Models 924071, 73  
Models 724039, 40, 41, 44



ITEM NO	PART NO	DESCRIPTION	ITEM NO	PART NO	DESCRIPTION
1	_____	* Alternator Shaft 4" 8 HP (924050) S/N 050501X 071901) (Tec. 590611)	9	64044	Washer 1/4
	_____	* Alternator Shaft 3"	10	69099	Conduit Clamp
	_____	(Tec. 590613) (932000 Series and 5-7 HP on 924000)	11	24560	Headlight Assembly (39)
	_____	* Alternator Shaft 3-1/2"		24571	Headlight Assembly (71, 73)
2	_____	(924050 S/N 071901X (Tec. 590636)		24569	Headlight Assembly (40, 41, 44, 73, 76)
	_____	* Centering Tube 2.7 to 7 HP			(Consists of items 12 thru 21)
	_____	(Tec. 590610)	12	24358	Headlight GE No. 4411 (71, 73)
	_____	* Centering Tube 8 and 10 HP		31149	Headlight GE No. 4414 (39,40,41,44,73)
3	_____	(Tec. 590609)	13	24099	Push Button Switch (39)
4	74076	* Alternator (Tec. 611077)	14	24100	Switch Boot (39)
	74084	Self-Tapping Screw No. 8-18 x 1-1/8	15	24098	U-Bracket
5	_____	Self-Tapping Screw No. 8-18 x 1-1/4	16	63032	Lock Washer 5/16
6	24561	* Lighting Connector (Tec. 611078)	17	59131	Cap Screw 5/16-18 x 2-1/2
7	59062	Headlight Bracket	18	62015	Carriage Bolt, 5/16-18 x 1"
8	65040	Cap Screw 1/4-20 x 1-1/4	19	63003	Lock Washer 5/16
		(932001, 4, 6, 7, 15, 18)	20	65015	Nut 5/16-18
		Lock Nut 1/4-20	21	65078	Flange Whizlock Nut 5/16-18
			22	24598	Spacer (44)

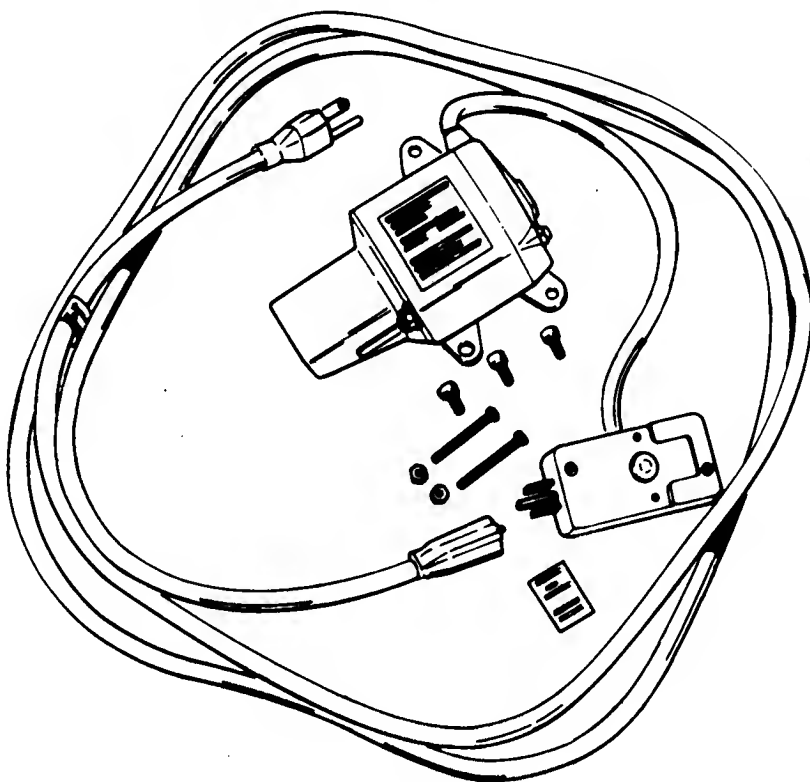
(A) Model 924073 <012400  
(B) Model 924073 012401>



# 120 Volt Electric Starter

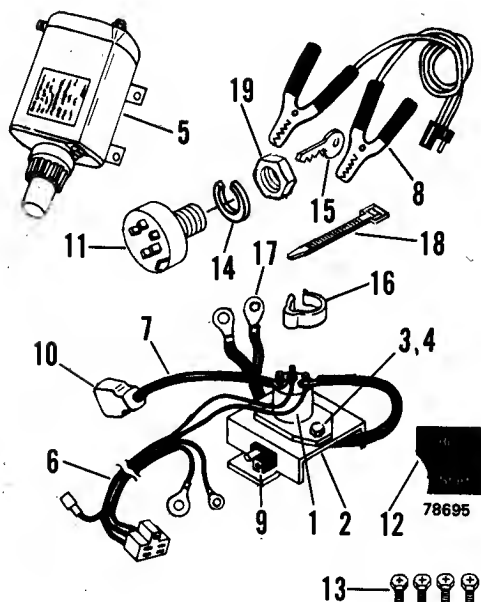
Model 724035 Electric Starter Kits (120 Volt) Fit Models 924074 and 924075  
 Model 724036 Electric Starter Kits (120 Volt) Fit Models 924050, 924051 Or 924073  
 Model 724019 Electric Starter Kit (120 Volt) Fits Model 924071

Order Parts From Authorized  
 Tecumseh Dealer Under Starter  
 Number.  
 For Model 724035 Tec. No. 33328B  
 Model 724036 Tec. No. 33329B



## 12 Volt Starter

Model 724016 Fits Model 924074, 75  
 Model 724017 Fits Models 924050 and 924073

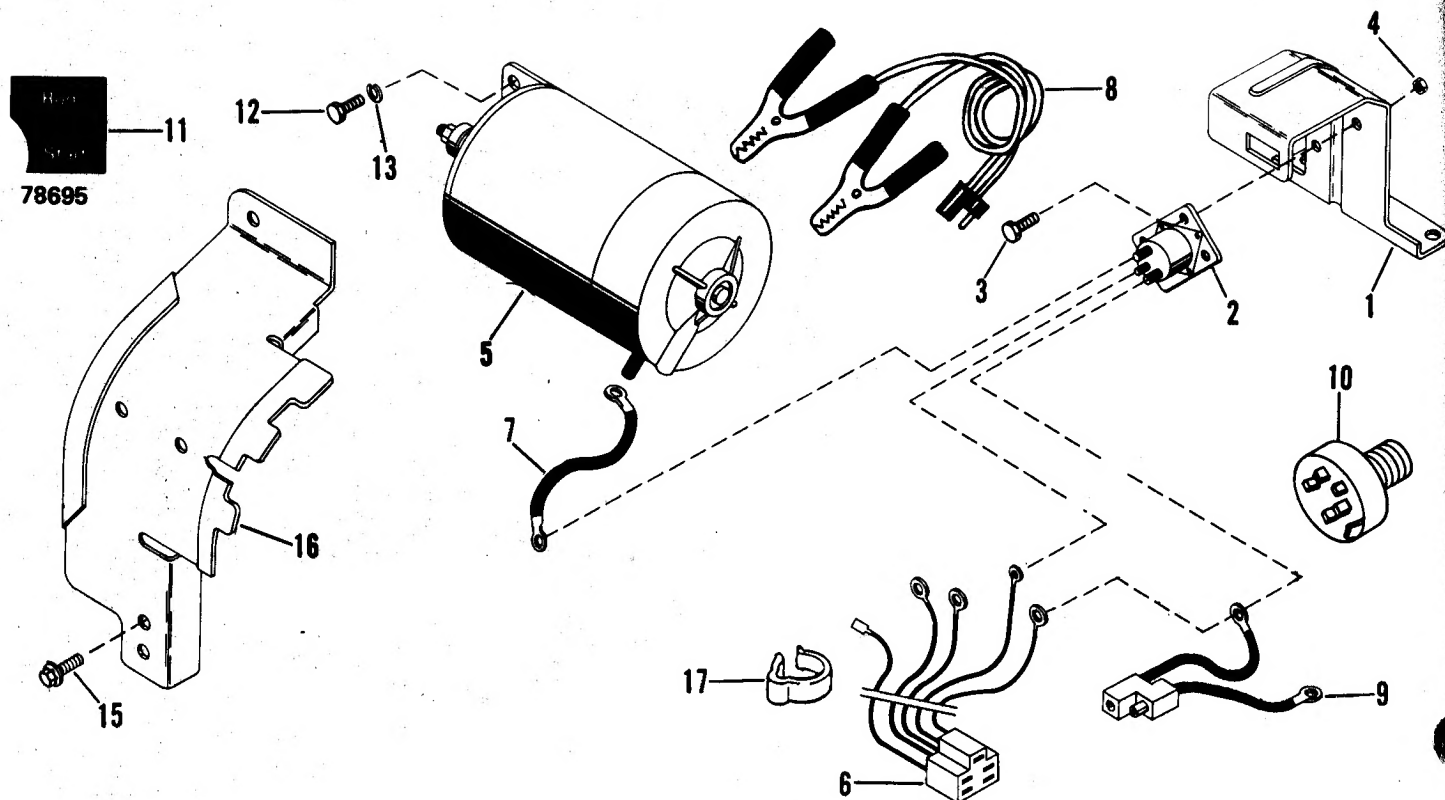


ITEM NO	PART NO	DESCRIPTION
1	24464	Bracket
2	30577	Solenoid
3	59028	Cap Screw 1/4-20 x 1/2
4	65040	Lock Nut 1/4
5		Starter Motor, Tecumseh No. 33606 (724016)
		Starter Motor, Tecumseh No. 33605 (724017)
6	24465	Wiring Harness
7	24583	Starter Cable
8	24462	Jumper Cable
9	24463	Adapter Lead
10	75057	Insulator
11	27396	Ignition Switch Assembly
12	78695	Decal
13	70045	Sems Cap Screw
14	63019	Lock Washer
15	13157	Keys
16	69099	Clamp
17	32267	Ground Wire
18	69053	Tie
19	65075	Key Switch Nut

# 12 Volt Starter

724018

For Use On 924000 Series  
Sno-Thros Equipped With  
Briggs & Stratton Engines  
Fits Model 924071



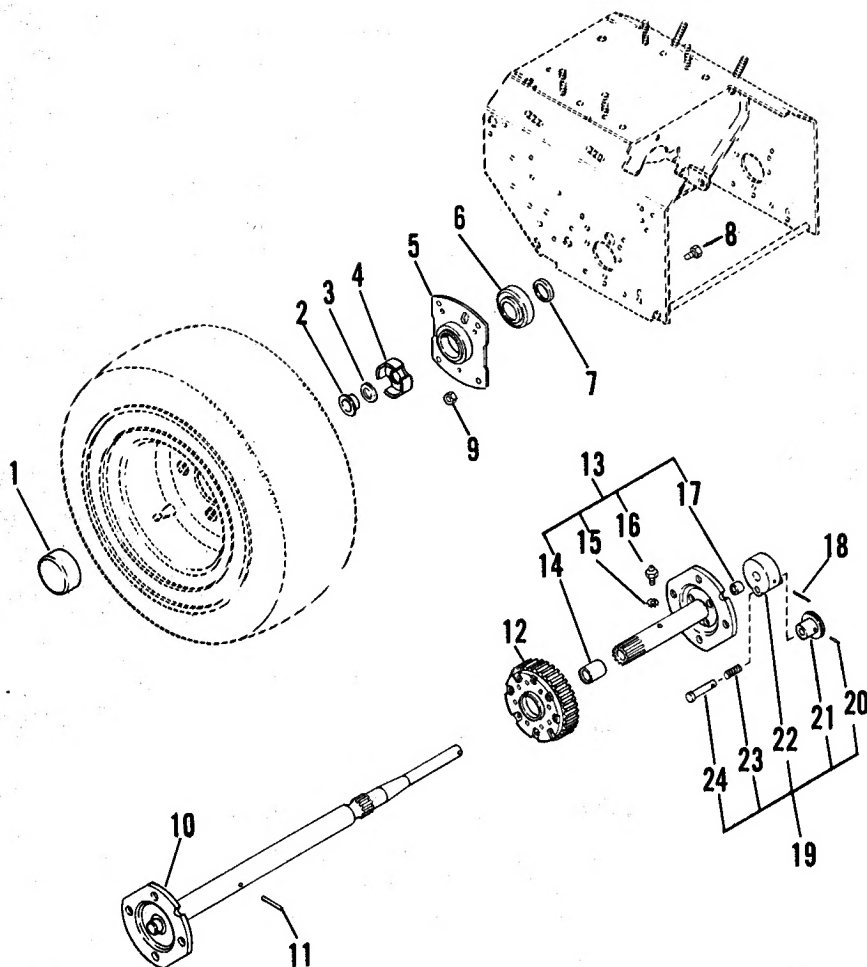
ITEM NO.	PART NO.	DESCRIPTION
1	024512	Bracket
2	030577	Solenoid (Includes nuts)
3	059028	Cap Screw 1/4-20 x 1/2
4	065040	Locknut 1/4
5		Starter Motor B & S No. 392749*
6	024465	Wiring Harness
7	024583	Starter Cable
8	024462	Jumper Cable
9	024463	Adapter Lead
10	027396	Ignition Switch Assembly
11	078695	Decal
12	059135	Cap Screw 5/16-18 x 3/4 (For Starter Motor)
13	063003	Lock Washer (For Starter Motor)
14	013157	Keys (Not Shown)
15	074035	Tapping Screw (For Cover-Shield)
16		Cover-Shield, B & S No. 390233*
17	069099	Clamp

\*Order replacement from Briggs & Stratton dealer only.

# Differential

724015 Fits 924074  
710983 Fits 924075

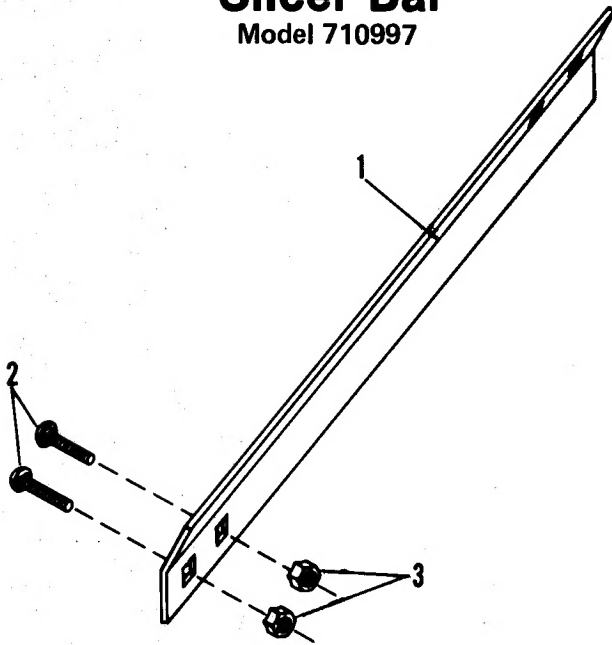
Models 724015  
710983



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	003377	Hub Cap (724015)	12	524053	Differential Assembly (724015)
2	010366	Push Nut		512020	Differential Assembly (710983)
3	064042	Washer 3/4 (710983)	13	524055	L.H. Axle Assembly (724015)
4	003376	Spindle Cup		510030	L.H. Axle Assembly (710983)
5	024363	Bearing Retainer (724015)	14	055075	Bushing (724015)
	012023	Bearing Support		055029	Bushing (710983)
6	054136	Bearing (724015)	15	063025	Lock Washer 1/4 Ext.
	055030	Bushing (710983)	16	022093	Zerk Fitting
7	064170	Washer 1-1/8 (724015)	17	055029	Bushing
	064036	Washer 7/8 (710983)	18	058042	Groove Pin 1/4 x 1-3/4
8	070011	Ribbed Neck Bolt	19	524059	Lockout Hub Assembly
9	065056	Lock Nut	20	058032	Roll Pin 3/32 x 1"
10	024409	R.H. Axle (724015)	21	010375	Knob
	010370	R.H. Axle (710983)	22	010372	Lockout Hub
11	058030	Roll Pin 3/16 x 1-1/2 (724015)	23	083007	Compressing Spring
	058003	Roll Pin 3/16 x 1-1/4 (710983)	24	010374	Pin

## Slicer Bar

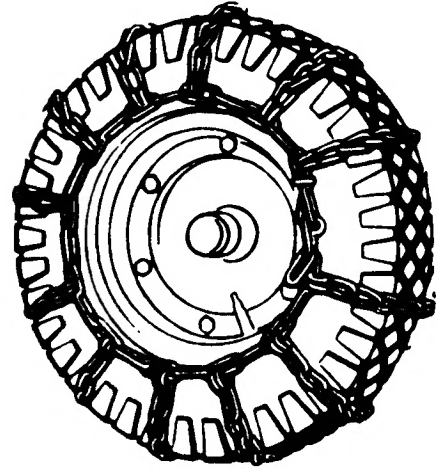
Model 710997



ITEM NO.	PART NO.	DESCRIPTION
1	010242	Slicer Bar
2	062009	Carriage Bolt 5/16-18 x 1/2
3	065042	Locknut 5/16-18

## Tire Chains

Models 703944, 703985, 724011



Order Model 703944 Tire Chains to fit Model 924050 or 924051 (Tire Size: 4.80/4.00 x 8)

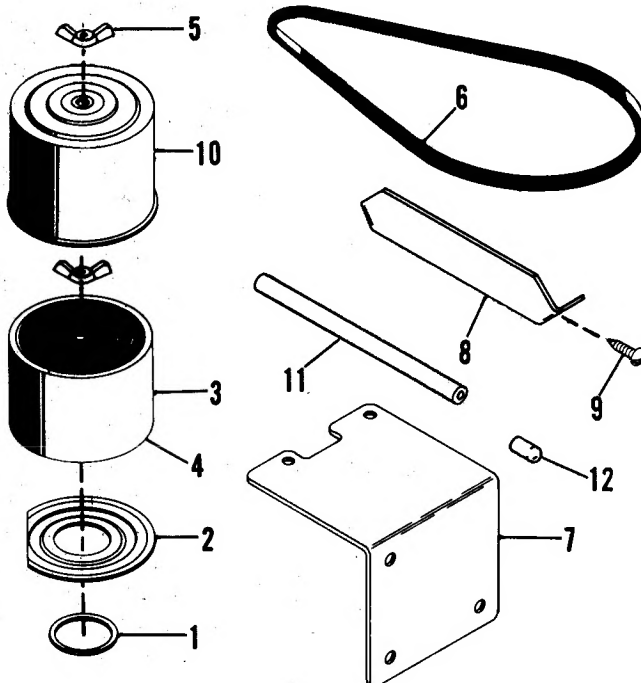
Order Model 703985 Tire Chains to fit Model 924071 or 924073 (Tire Size: 16/6.50 x 8)

Order Model 724011 Tire Chains to fit Model 924074 or 924075 (Tire Size: 4.10/3.00 x 6)

## Adaptor and Air Cleaner

For Use On 924000 Series  
Sno-Thros Equipped With  
Briggs & Stratton Engines

Model 724028



ITEM NO.	PART NO.	DESCRIPTION
1	024517	Air Cleaner Gaskets* (270986)
2	024522	Air Cleaner Base* (223268)
3	024518	Air Cleaner Foam Filter* (270782)
4	024519	Air Cleaner Cartridge* (390930)
5	065146	Wing Nut
6	072132	V-Belt (Rotary Mower Attachment)
7	024515	Bracket (Electric Start Kit)
8	024516	Belt Guard Plate (Rotary Mower & Brush Attachment)
9	075035	Sheet Metal Screws
10	024521	Air Cleaner Cover* (222271)
11	024007	Fuel Line
12	075127	Cover

\*Parts are available from Briggs & Stratton Dealers only. Order by Briggs Parts No. listed in parenthesis.

# Tecumseh Air Cleaner

Model 24005

